FORM PTO-1449 (Modified) Atty Docket No.: P03002US1A; 295620-214153 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) Serial No.: 10/791,049 Applicant(s): Wang et al. Filed: March 2, 2004 Group: 1796 U.S. PATENT DOCUMENTS Exam. Publication/ Patent Number Publication/ Patentee Filing Date Class Subclass Init. Issue Date 2005/ 1 8 2 8 08/18/2005 Ziser et al. 5 5 5 05/07/1996 1 4 7 5 3 Ozawa et al. 6 3 7 9 7 9 1 04/30/2002 Cernohous et al. 6 4 4 09/10/2002 8 3 5 3 Nelson et al. 2 05/15/2007 7 1 7 7 7 5 Castner FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Publication Exam. Document Number Country or Patent Office Class Subclass Translation Init Date Yes Nο OTHER DOCUMENTS (Including Author, Title, Date**, Relevant pages, Place of Publication***) Borukhov, Itamar et al., "Enthalpic Stabilization of Brush-Coated Particles in a Polymer Melt", Macromolecules, Vol. 35, pp. 5171-5182 (2002). Braun, Hartmut et al., "Enthalpic interaction of diblock copolymers with immiscible polymer blend components", Polymer Bulletin, Vol. 32, pp. 241-248 (1994).Brown, H.R. et al., "Communications to the Editor: Enthalpy-Driven Swelling of a Polymer Brush", Macromolecules, Vol. 23, pp. 3383-3385 (1990). Cahn, John W., "Phase Separation by Spinodal Decomposition in Isotropic Systems", The Journal of Chemical Physics, Vol. 42, No. 1, pp. 93-99 (January 1, 1965). Chen, Ming-Qing et al., "Nanosphere Formation in Copolymerization of Methyl Methacrylate with Poly(ethylene glycol) Macromonomers", Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 38, pp. 1811-1817 (2000). Ferreira, Paula G. et al., "Scaling Law for Entropic Effects at Interfaces between Grafted Layers and Polymer Melts", Macromolecules, Vol. 31, pp. 3994-4003 (1998). Gay, C., "Wetting of a Polymer Brush by a Chemically Identical Polymer Melt", Macromolecules, Vol. 30, pp. 5939-5943 (1997). Halperin, A., "Polymeric Micelles: A Star Model", Macromolecules, Vol. 20, pp. 2943-2946 (1987). Hasegawa, Ryuichi et al., "Optimum Graft Density for Dispersing Particles in Polymer Melts", Macromolecules, Vol. 29, pp. 6656-6662 (1996). Kraus, Gerard, "Mechanical Losses in Carbon-Black-Filled Rubbers", Journal of Applied Polymer Science: Applied Polymer Symposium, Vol. 39, pp. 75-92 (1984). Ligoure, Christian, "Adhesion between a Polymer Brush and an Elastomer: A Self-Consistent Mean Field Model", Macromolecules, Vol. 29, pp. 5459-Matsen, M.W., "Phase Behavior of Block Copolymer/Homopolymer Blends", Macromolecules, Vol. 28, pp. 5765-5773 (1995). Milner, S.T. et al., "Theory of the Grafted Polymer Brush", Macromolecules, Vol. 21, pp. 2610-2619 (1988). Milner, S.T. et al., "End-Confined Polymers: Corrections to the Newtonian Limit", Macromolecules, Vol. 22, pp. 489-490 (1989). Noolandi, Jaan et al., "Theory of Block Copolymer Micelles in Solution", Macromolecules, Vol. 16, pp. 1443-1448 (1983). Semenov, A.N., "Theory of Diblock-Copolymer Segregation to the Interface and Free Surface of a Homopolymer Layer", Macromolecules, Vol. 25, pp. 4967-4977 (1992). Semenov, A.N., "Phase Equilibria in Block Copolymer-Homopolymer Mixtures", Macromolecules, Vol. 26, pp. 2273-2281 (1993). Shull, Kenneth R., "End-Adsorbed Polymer Brushes in High- and Low-Molecular-Weight Matrices", Macromolecules, Vol. 29, pp. 2659-2666 (1996). Whitmore, Mark Douglas et al., "Theory of Micelle Formation in Block Copolymer-Homopolymer Blends", Macromolecules, Vol. 18, pp. 657-665 (1985).

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